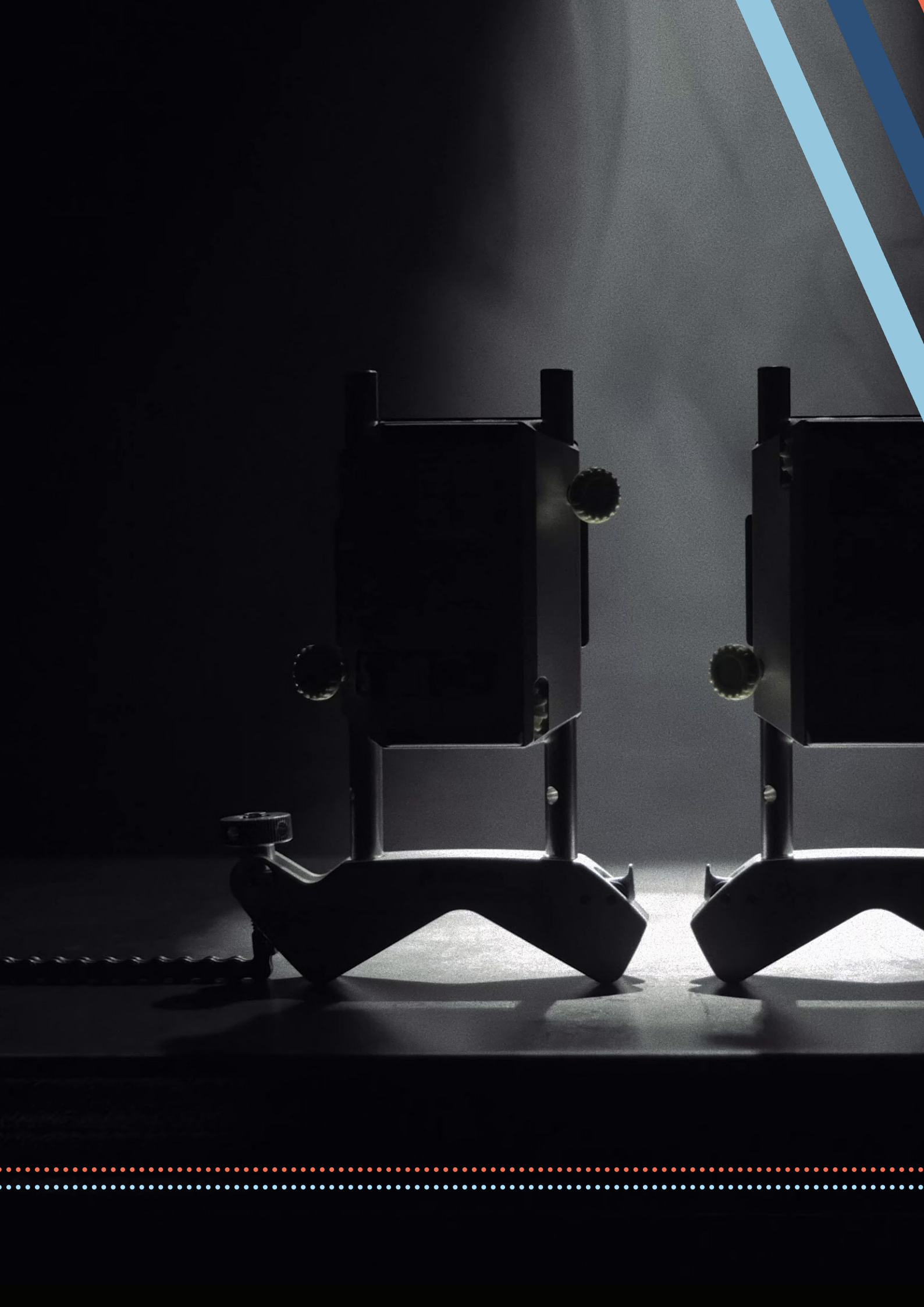


# Acoem AT-400

DUAL PRECISION AT EVERY TURN





The background of the page features a dark, moody photograph of the Acoem AT-400 shaft alignment device. The device is a complex mechanical assembly with various sensors and adjustment knobs. In the foreground, a hand is visible, adjusting one of the knobs. The lighting is dramatic, highlighting the metallic surfaces of the device against a dark background. On the left side, there are three diagonal, semi-transparent bars in shades of orange, blue, and light blue. At the bottom left, there are two horizontal rows of small dots, one in orange and one in white.

## Dual precision at every turn with the new Acoem AT-400 shaft alignment solution

Acoem, a trusted name in condition monitoring and predictive maintenance, has been a pioneer in laser shaft alignment technology for decades. Combining vast expertise with exceptional customer support, we've consistently raised the bar for precision maintenance. Today, we proudly introduce our latest innovation – the Acoem AT-400 dual-axis shaft alignment solution. This cutting-edge system makes precise laser alignment easier than ever before.

What makes the AT-400 remarkable is its ability to effortlessly blend precision with simplicity. This advanced alignment solution ensures your machinery operates with unmatched accuracy and efficiency. With the AT-400, precision maintenance becomes intuitive and straightforward, thanks to the latest technology at your fingertips.

**Experience precision maintenance like never before with this dual-axis shaft alignment solution, offering dual precision at every turn. Step into the future of precision maintenance and approach virtually any shaft alignment scenario with confidence.**



## AT-400

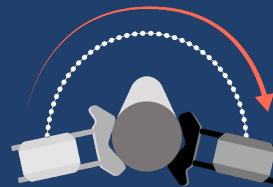
### Maximizing alignment performance

AT 400 integrates dual-axis technology seamlessly into our alignment solutions, offering unrivaled precision for large machinery. With extended sensor distances, it outperforms traditional line lasers.

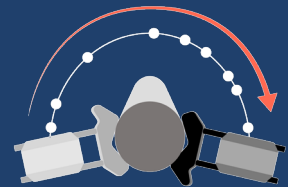
### Dual advantage

Achieve precision with the high-end dual-axis shaft alignment.

Double down on misalignment with the Acoem AT-400, featuring robust dual axis sensors and unmatched versatility for virtually any shaft alignment scenario. Discover precision like never before with our advanced measuring methods. Engineered to perfection, these techniques redefine accuracy in industrial alignment assessments.



Dual sweep

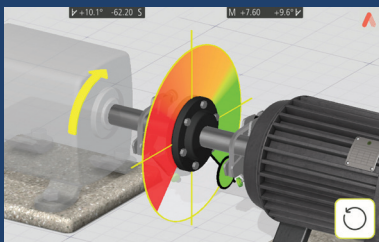


Multi point



#### Dual sweep method

Automated alignment evaluation for coupled machines, ensuring precision with every sweep. Take control by stopping data recording manually



#### Dual sweep express method

Effortless efficiency – data recording halts automatically when shaft rotation stops, streamlining the process.



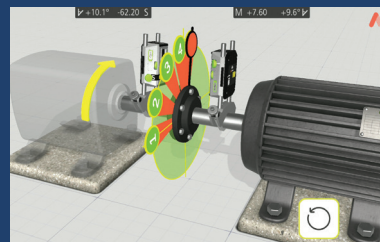
#### Clock method

Industrial wisdom in action. Three points, 180° rotation – a trusted technique for non-horizontal foundations and standalone shafts.



#### Dual multipoint method

Unparalleled flexibility. Start measurements from any position, ideal for uncoupled shafts and non-rotatable machinery.



#### Dual multipoint express method

Convenience meets accuracy. Automated measurements without compromise.



#### Tripoint method

Meticulous precision. Record three manual points during shaft rotation for detailed alignment insights.



#### Tripoint express method

Seamlessly automated. Experience precision alignment assessment with automated ease.

## Measurement programs



Horizontal shaft alignment & HSA 2-axis



Vertical shaft alignment



Flatness



Soft check™



Target values



Spacer shaft alignment

20 meters (65 feet) measuring distance



## More possibilities

AT-400 ensures precise measurements for extensive machinery, even with sensor-to-sensor distances exceeding 20 meters.

## Aligning with diverse applications

While the AT-400 is versatile enough to diagnose alignment issues in various machinery, its exceptional capabilities truly stand out in challenging environments.

### Critical & complex applications



Energy generation turbines



Compressors



Cooling towers



Maritime equipment



Non-rotatable shaft situations



Complex machine train setup

### Ideal for heavy machineries in industrial sectors such as



Oil & Gas



Paper processing



Mining



Aerospace



Medical device



Automotive manufacturing



Automotive manufacturing

You can depend on AT-400 for achieving precise alignment in a wide range of applications.

## DualXL PSD detectors M9 & S9 position-sensitive sensors

Discover unparalleled precision with our revolutionary DualXL PSD Detectors featuring Acoem's M9 and S9 position-sensitive sensors. Redefining accuracy and convenience, these detectors are perfect for diverse applications.

- Simultaneous horizontal and vertical measurements
- Unmatched precision with high resolution
- The thinnest 2-axis sensors at 305g, ensuring easy integration and mobility.
- Cover up to 20 meters (65 ft) without compromising accuracy.
- Equipped with sliding covers, our sensors ensure product longevity and protection during storage.
- A substantial 20x20 mm<sup>2</sup> size and 0.001mm high-resolution capability make this detector ideal for demanding measurement tasks.



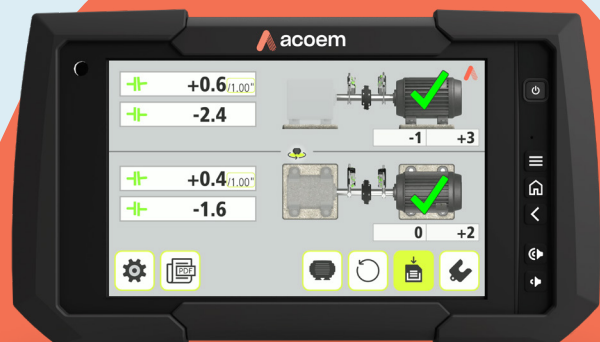
*The Acoem AT-400 comes with a lifetime warranty, giving you complete peace of mind and long-term reliability.*

## User friendly display unit

The AT-400 sensors effortlessly connect with iOS and Android tablets. In our standard package, you'll find a purpose-built 20cm (8") tablet designed to enhance fieldwork efficiency. This rugged display unit boasts an intuitive interface, built-in tools, and optional accessories.

### With the AT-400 display unit, you can

- Access data, reports, and applications in one place.
- Transfer data via USB or WiFi.
- Email results with ease.
- Manage assets through the Acoem WebPortal.
- Quickly access support resources.
- Add or remove PDF files as needed.



# GuideU™ interface revolutionizing 3D shaft alignment

Experience GuideU™ – the innovative 3D shaft alignment interface. Minimize human error and uncertainty in shaft alignment through realistic graphics and animated help screens. GuideU™ Interface represents a groundbreaking leap in 3D shaft alignment technology. Our proprietary and patented graphical user interface redefines precision, simplicity, and accuracy in the alignment process.

## Key features

- Customization
- Realistic machine graphics
- Icon-driven design
- Animated help screens
- Color-coded display

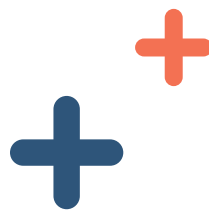


## Seamless Cloud Connectivity

The AT-400 allows users to effortlessly upload alignment reports to Acoem’s proprietary web portal, ensuring seamless data management and easy access to alignment records for analysis and comparison. With just a tap of a button, technicians can send their alignment reports directly to the portal, streamlining their process of documentation.

## + VertiZonal™ Measure once, move in two directions

Our adaptive interface displays exactly how much a misaligned machine needs to be adjusted and in which direction, by adding or removing shims to the machine’s feet. No more re-measuring between the vertical and the horizontal phases to correct the horizontal misalignment. This industry-first function saves time and ensures accuracy the first time around. It’s alignment, plus much more.



## Acoem AT-400 ultimate

Acoem AT-400/D/T + Acoem T21 . Add capability to measure rectangular flatness. Use the M9 sensor as receiver.

## About Acoem

At Acoem, we **create environments of possibility** – helping organisations find the right balance between progress and preservation – safeguarding businesses and assets, and maximising opportunities while conserving the planet’s resources. We deliver unrivalled, interoperable AI-powered sensors and ecosystems that empower our customers to make enlightened decisions based on accurate information.

Together with 220 distributors, our 850+ employees work across 28 offices, 6 manufacturing facilities and 5 R&D centres in 9 countries, to provide trusted, holistic data solutions for customers worldwide.

**Acoem links possibilities with protection.**

For more information visit [acoem.com](https://acoem.com)



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